

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Bike Rental Cost Calculator MCP

Handle rental pricing and budget planning through your AI agent.

Bike Rental Cost Calculator MCP gives your AI client the ability to manage rental math. It handles everything from calculating specific rental totals to checking if a customer meets minimum hour requirements. You can use it to pull tiered pricing rates or figure out exactly how much rental time fits into a specific budget.

A+ Quality Score 100/100

rental

pricing

budgeting

calculator

logistics



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Bike Rental Cost Calculator MCP

4 tools available

Cloud-hosted on Vinkius

You can stop manually calculating rental fees and checking tier rules. This MCP gives your AI client the specific logic needed to run bike rental math. If you're managing a fleet or helping customers plan their trips, your agent can now handle the heavy lifting. It uses `calculate_total_cost` to find the exact price for a specific duration and `get_tiered_pricing_info` to pull the correct rates for different customer levels. You can also use `validate_rental_eligibility` to instantly see if a requested time frame meets your business rules. When customers ask how much they can afford, your agent uses `estimate_budget` to tell them exactly how many hours they can ride based on their available cash. It turns your AI client into a functional rental assistant that knows your pricing structure inside and out.

Core Capabilities

01 — Price Calculation

Your agent calculates exact totals for any rental duration.

02 — Budget Planning

The AI determines maximum rental time based on a user's budget.

03 — Tiered Rate Access

Your client pulls specific hourly rates for different customer tiers.

04 — Eligibility Checks

The agent verifies if a rental request meets minimum time constraints.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/bike-rental-cost-calculator — connect your AI agent in three steps.

- 01 Connect your AI client to the Vinkius hosted MCP.
- 02 Ask your agent a question about pricing or budget.
- 03 The agent calls the necessary tool to perform the calculation.
- 04 The agent provides the specific answer based on the tool output.

You connect the MCP to your AI client and start asking questions about rental costs.

Built For

This MCP is built for people managing bike rental operations or customer-facing rental services.

Rental Managers

Hand off pricing calculations and eligibility checks to your AI agent.

Customer Support Agents

Let your AI client answer budget and cost questions for customers.

Operations Coordinators

Use the AI to manage rental logistics and pricing tiers.

What Changes When You Connect

- 01 Automates the math for rental durations and tiered rates.
- 02 Instantly verifies if rental requests meet business rules.
- 03 Provides clear budget-to-hour conversions for customers.
- 04 Removes the need for manual pricing lookups.

Real-World Applications

Customer Inquiries

Your AI client answers questions about how much a specific ride will cost.

Budgeting for Tourists

The agent tells travelers how many hours they can ride with the cash they have on hand.

Policy Enforcement

The AI checks if a requested rental duration complies with minimum hour rules.

Tiered Pricing Management

Your agent pulls the correct rates for different customer membership levels.

Patterns to Avoid

Guessing rental totals

❌ AVOID

You ask your agent to guess what a three hour rental might cost based on general knowledge.

✓ INSTEAD

Use `calculate_total_cost` to get the exact price based on your specific business rules.

Ignoring membership tiers

❌ AVOID

Your agent quotes a standard rate to a VIP customer without checking their specific discount level.

✓ INSTEAD

Always call `get_tiered_pricing_info` to pull the correct rates for the customer's tier.

Approving invalid rentals

❌ AVOID

A customer wants a 30 minute rental, and your agent says yes even though your minimum is one hour.

✓ INSTEAD

Run `validate_rental_eligibility` to ensure the requested time meets your minimum hour requirements.

The Right Fit

Connect this MCP if you manage a bike fleet or run a rental service where pricing changes based on customer tiers. Do not connect it if you just want a general calculator. The decision depends on whether you need your agent to follow your specific business rules and tiered rates.



Bike Rental Cost Calculator 4 Tools

These tools handle all the math for rental durations, tiered pricing, and customer budget planning.

#	TOOL	DESCRIPTION
01	calculate_total_cost	This tool calculates the final price for a specific rental duration.
02	estimate_budget	This tool determines how many hours of rental time a user can afford with a set amount of money.
03	get_tiered_pricing_info	This tool retrieves the specific hourly rates assigned to different customer tiers.
04	validate_rental_eligibility	This tool checks if a requested rental period meets your minimum hour requirements.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U How much will it cost to rent a bike for 5 hours at \$10 per hour?



The total cost for a 5-hour rental at \$10 per hour is \$50.

U I have \$30. How many hours can I rent a bike if the rate is \$6 per hour?



You can afford 5 hours of rental with a \$30 budget at a rate of \$6 per hour.

U Is a 0.5 hour rental eligible if the minimum required is 1 hour?



No, the rental is not eligible because it does not meet the minimum required duration of 1 hour.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect once through Vinkius to any MCP-compatible client like Claude, Cursor, or Windsurf. Once connected, your agent can immediately use the tools.

02 Can this MCP check if a rental is allowed?

Yes, it uses the `validate_rental_eligibility` tool to check if a rental meets your minimum hour requirements.

03 Does it handle different pricing levels?

Yes, the `get_tiered_pricing_info` tool allows your agent to look up specific hourly rates for different customer tiers.

04 Can I use it to plan a budget?

Yes, you can use the `estimate_budget` tool to find out how many hours of rental time a specific budget will cover.

05 Where is the MCP hosted?

Vinkius hosts and manages the MCP for you, so you don't have to worry about setup or maintenance.

06 How do I calculate the total cost of my rental?

You can use the `calculate_total_cost` tool by providing the number of hours used and the hourly rate.

07 Can I check if I qualify for a specific pricing tier?

Yes, use `get_tiered_pricing_info` to see the rates for standard, premium, or student tiers.

08 How can I plan my rental based on my available money?

The `estimate_budget` tool will tell you how many hours you can afford based on your budget and the hourly rate.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

`https://edge.vinkius.com/[TOKEN]/mcp`

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"bike-rental-cost-calculator": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  Ask ChatGPT 
-  Ask Claude 
-  Ask Perplexity 
-  Ask Gemini 
-  Ask Grok 

READY TO CONNECT

Bike Rental Cost Calculator is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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